SQL Server 2005 Books Online (November 2008)

# Define Semiadditive Behavior (Business Intelligence Wizard) (SSAS)

Use the **Define Semiadditive Behavior** page to enable or disable semi-additive behavior. Semi-additive behavior determines how measures that are contained by a time dimension.

📝**Note:**

This page does not appear if the Business Intelligence Wizard was started from Dimension Designer or by right-clicking a dimension in Solution Explorer in Business Intelligence Development Studio.

## Options

**Turn off semiadditive behavior**
Disables semi-additive behavior in all measures contained by the cube.

**The wizard has detected the <dimension name> account dimension, which contains semiadditive members. The server will aggregate members of this dimension according to the semiadditive behavior specified for each account type.**
Enables semi-additive behavior for account dimensions that contain semi-additive members. Selecting this option sets the aggregation function of all measures in measure groups that reference the account dimension to **ByAccount.**

For more information about account dimensions, see Account (SSAS) [ http://msdn.microsoft.com/en-us/library/ms174609(SQL.90).aspx ] .

**Define semiadditive behavior for individual members**
Enables semi-additive behavior and specifies the semi-additive aggregation function for specific measures. The aggregation function applies to all dimensions that are referenced by the measure group that contains the measure.

**Measures**
Displays the name of a measure contained by the cube.

**Semiadditive Function**
Select the aggregation function for the selected measure. The following table lists the aggregation functions that are available.

| Value | Description |
| --- | --- |
| **AverageOfChildren** | Aggregated by returning the average of the measure's children. |
| **ByAccount** | Aggregated by the aggregation function associated with the specified account type of an attribute in an account dimension. |
| **Count** | Aggregated using the **Count** function. |
| **DistinctCount** | Aggregated using the **DistinctCount** function. |
| **FirstChild** | Aggregated by returning the measure's first child member. |
| **FirstNonEmpty** | Aggregated by returning the measure's first nonempty member. |
| **LastChild** | Aggregated by returning the measure's last child member. |
| **LastNonEmpty** | Aggregated by returning the measure's last nonempty member. |
| **Max** | Aggregated using the **Max** function. |

| Min | Aggregated using the **Min** function. |
| **None** | No aggregation performed. |
| **Sum** | Aggregated using the **Sum** function. |

> 📝**Note:**
>
> Selections made for this option apply only if **Define semiadditive behavior for individual members** is selected.

### See Also
#### Reference
Business Intelligence Wizard F1 Help (SSAS) [ http://msdn.microsoft.com/en-us/library/ms178384 (SQL.90).aspx ]
Cube Designer (SSAS) [ http://msdn.microsoft.com/en-us/library/ms188152(SQL.90).aspx ]
Dimension Designer (SSAS) [ http://msdn.microsoft.com/en-us/library/ms181163(SQL.90).aspx ]

#### Help and Information
Getting SQL Server 2005 Assistance [ http://msdn.microsoft.com/en-us/library/ms166016(SQL.90).aspx ]

**Tags:**

Community Content